

(Table 5.2) Course unit description

Study program: Economics			
Type and level of studies: PhD studies			
Course unit: Macroeconomic modelling			
Teacher in charge: Lojanica Nemanja, Obradovic Sasa			
Language of instruction: English			
ECTS: 10			
Prerequisites:/			
Semester: Winter Semester			
Course unit objective: This course is designed to provide the practical illustration of techniques, used in applied macroeconomics and a clear understanding of the salient features, challenges and opportunities of the specific national economies. This course is recommended for students who intend to do quantitative analysis (using time series data in particular) in their thesis writing.			
Learning outcomes of Course unit To conceptualise the vital concepts and issues of macroeconomic analysis and modeling; To acquire skills and knowledge of macroeconomic modeling for strategic thinking and understanding; To acquire methodological foundation necessary for future work; To synthesis ideas, views and evidence.			
Course unit contents 1. Univariate non-linear time series analysis; 2. SVAR (Structural vector autoregressive analysis); 3. DSGE (Dynamic stochastic general equilibrium); 4. Macroeconomic shocks and its dispersion; 5. Macroeconomic models of fiscal and financial crisis; 6. Neoclassical models in macroeconomic analysis; 7. Public debt sustainability.			
Literature 1. Handbook of Macroeconomics, Edited by John B. Taylor, Harald Uhlig. Volume 2, Pages 1-2693 (2016) ScienceDirect 2. Romer, D. (2012). Advanced Macroeconomics-4 th Edition, McGraw- Hill Irwin, 3. Enders, W. (2009). Applied Econometric Time Series, 3 rd Edition, Wiley, 4. Ouliaris,S., Pagan, A. R., Restrepo, J. (2016). Quantitative modeling with structural vector autoregressions- An Eviews implementation, https://courses.edx.org/asset-v1:IMFx+MFx+3T2016+type@asset+block@Ouliaris_Pagan_Restrepo_SVar_Book.pdf			
Number of active teaching hours			Other classes
Lectures 3	Practice 2	Other forms of classes	Independent work
Teaching methods			
Examination methods (maximum 100 points)			
Exam prerequisites	No. of points:	Final exam	No. of points:
Student's activity during lectures			
practical classes/tests			
Seminars/homework			
Project	50	Oral examination	50
Other			
Grading System			
Grade	Bo. Of Points:	Description	

10	91-100	Excellent
9	81-90	Exceptionally good
8	71-80	Very good
7	61-70	Good
6	51-60	Passing
5	0-50	Failing